

**Figure 1. Receptor Dimerization Assay**

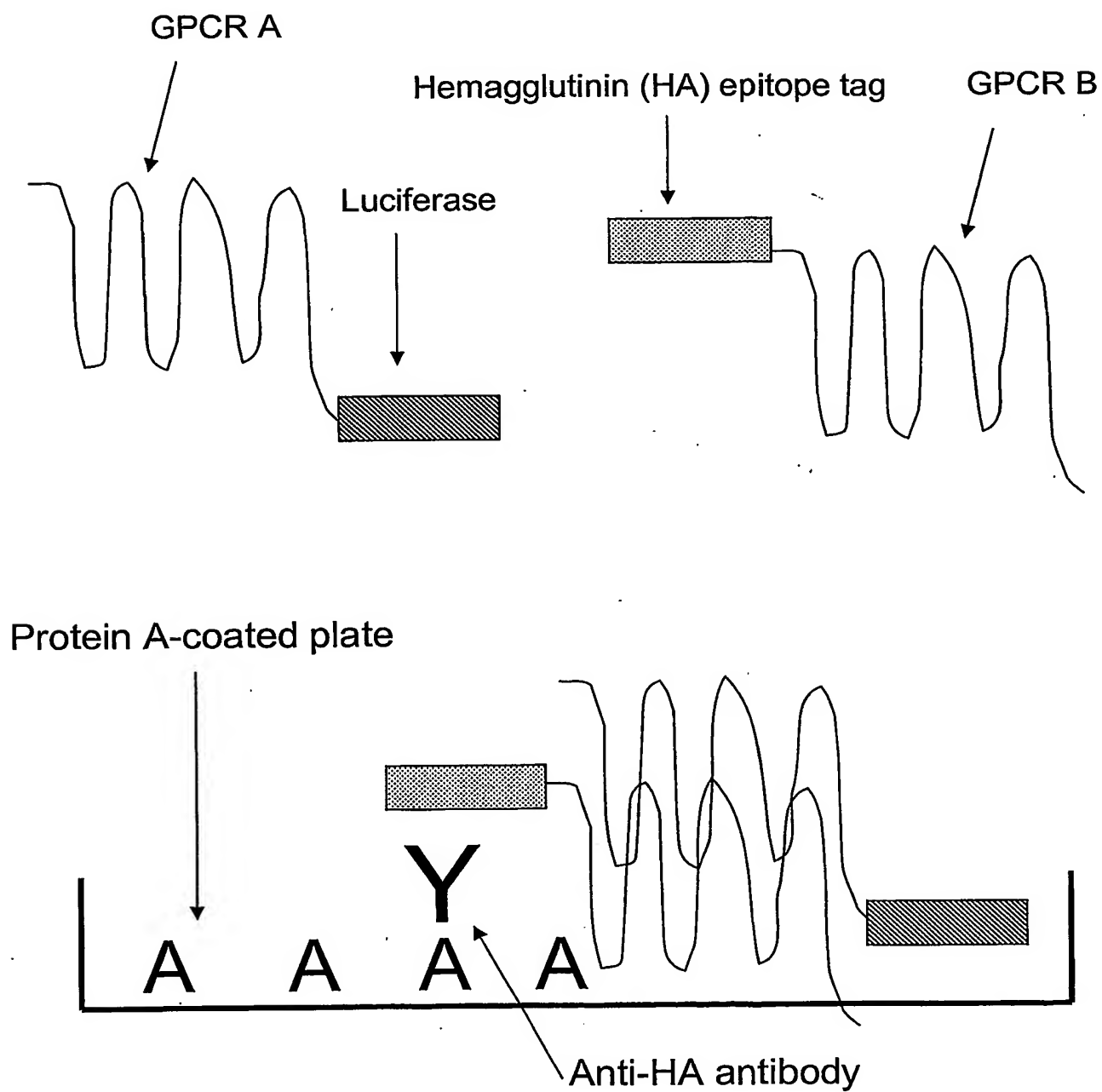


Figure 2. Detection of  $\beta_2$ AR dimer as anti-FLAG antibody-bound  $\beta_2$ AR -Rlu

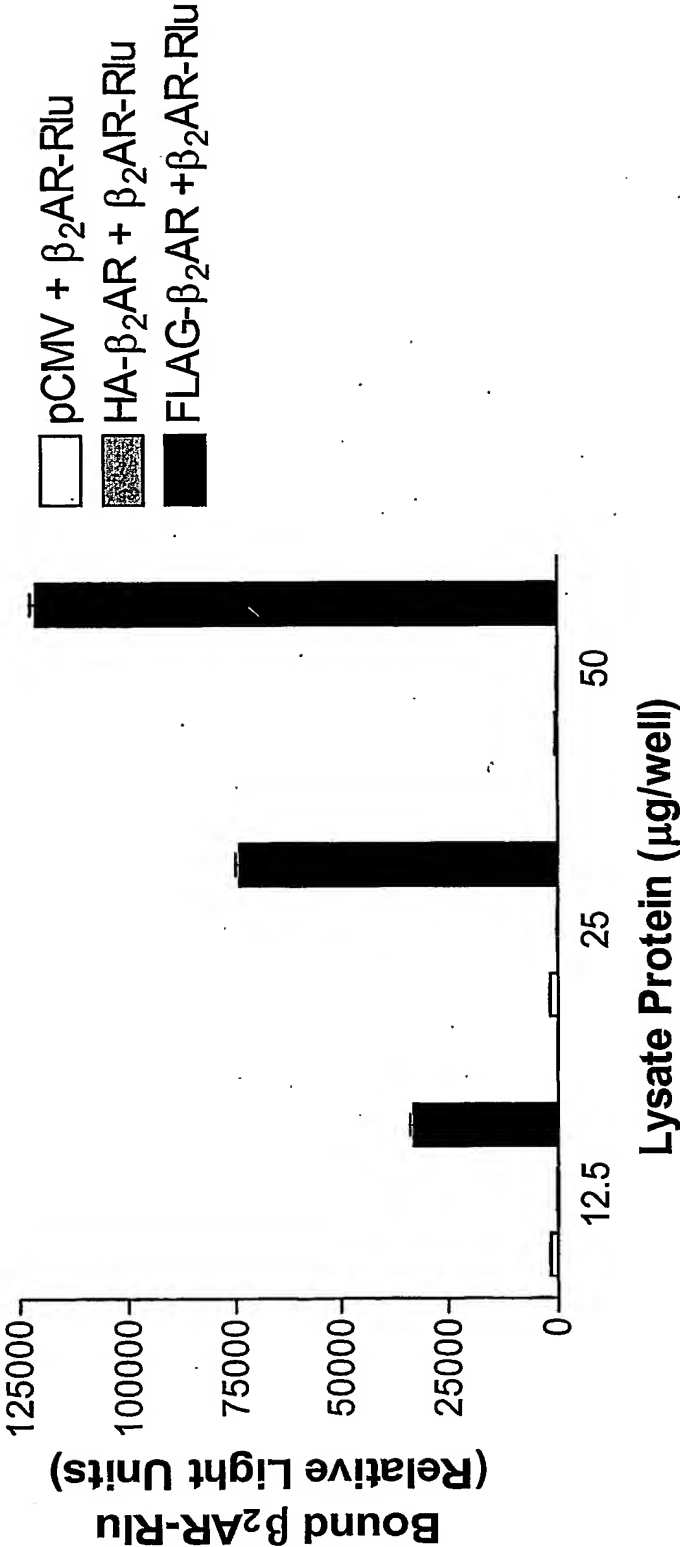


Figure 3. Comparison of anti-HA antibody and anti-FLAG antibody on detection of  $\beta_2$ AR dimer

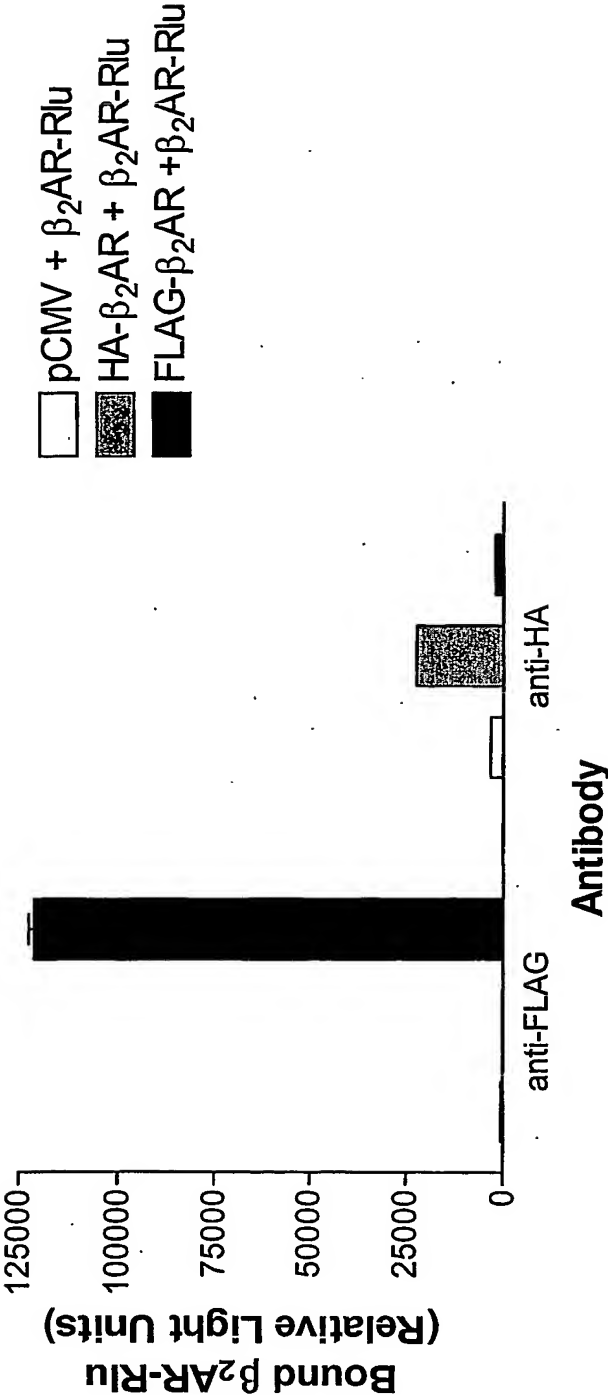


Figure 4. Effect of digitonin concentration on detection of  $\beta_2$ AR dimer



Figure 5. Comparison of digitonin and Triton X-100 on solubilization and detection of  $\beta_2$ AR dimer

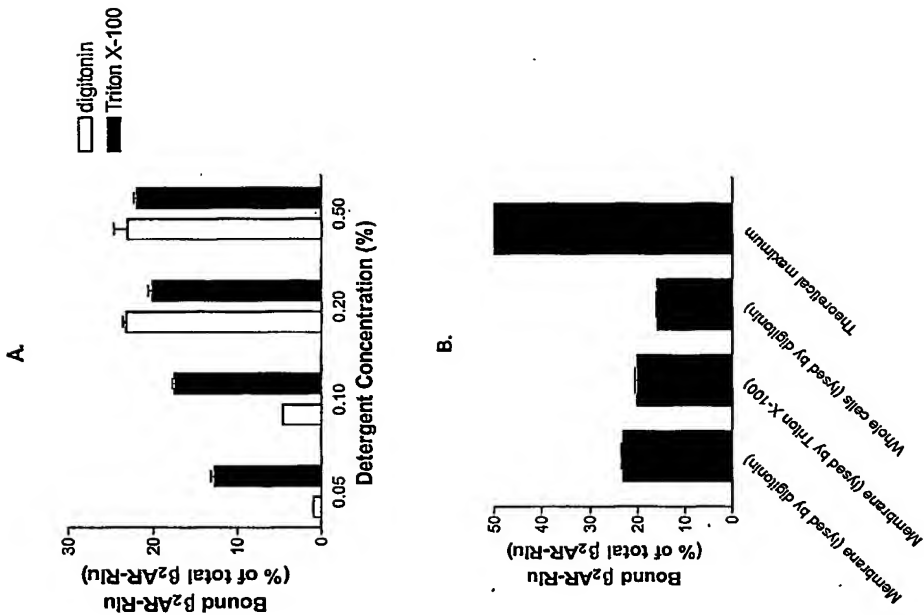


Figure 6.  $\beta_2$ AR dimer formation occurs in intact cells

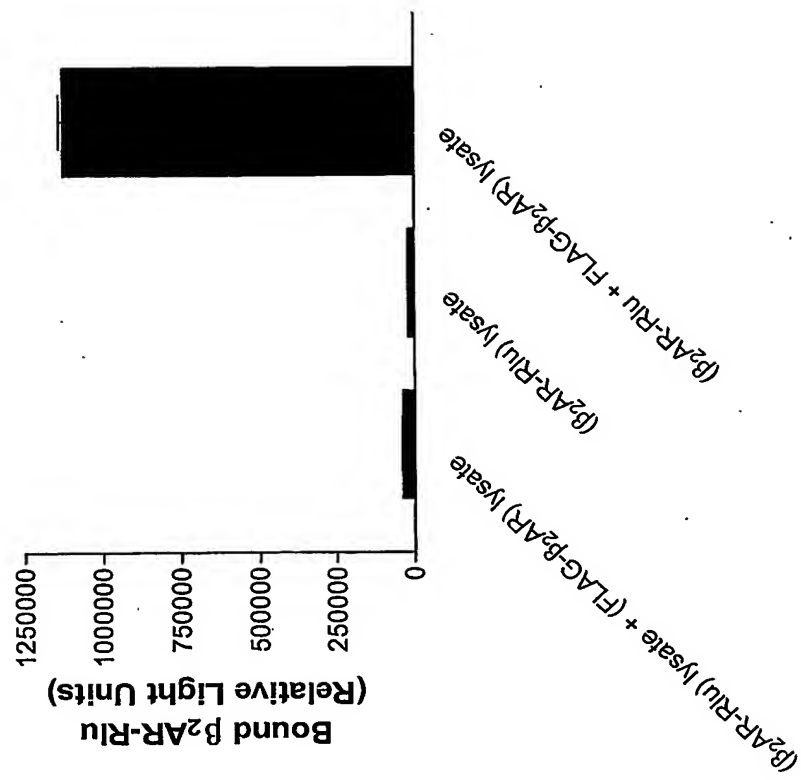
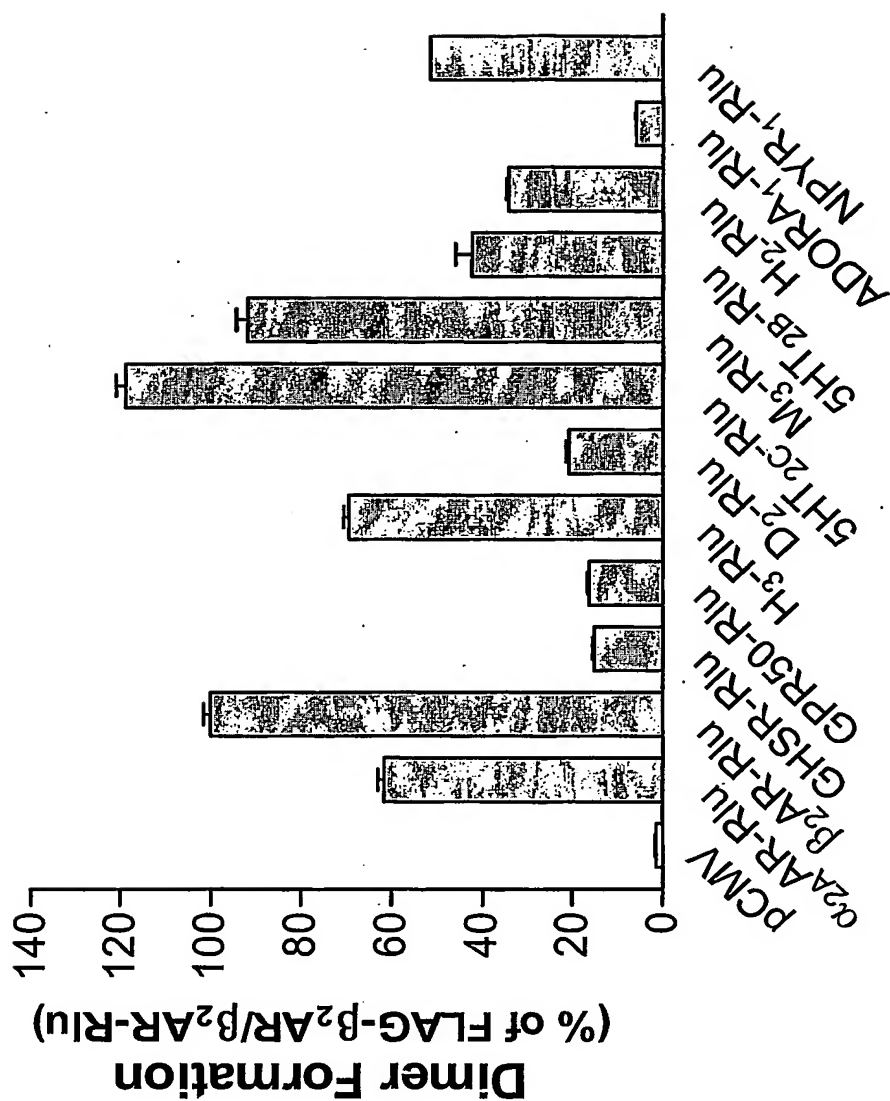


Figure 7. Heterodimerization of  $\beta_2$ AR with other GPCRs



GPCR co-transfected with FLAG- $\beta_2$ AR

Figure 8. Effect of receptor expression levels on  $\beta_2$ AR homo- and heterodimerization

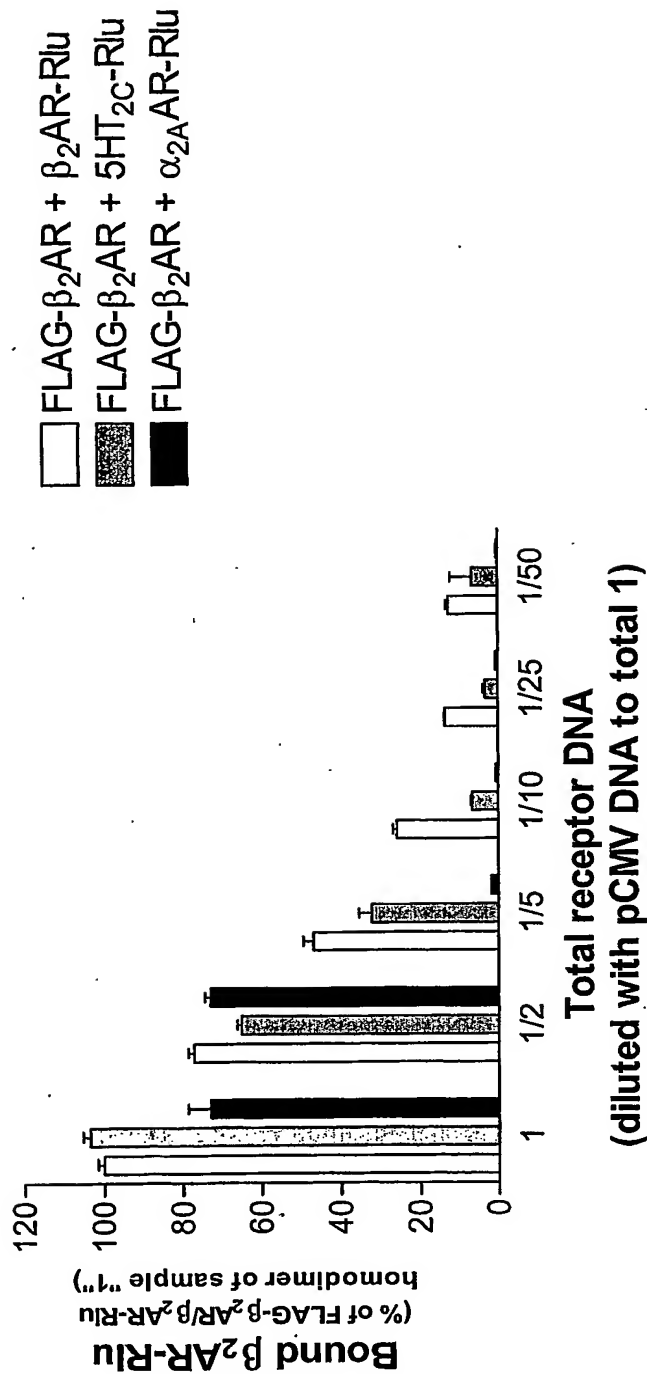




Figure 9. Effect of 5HT<sub>2C</sub> coexpression on agonist-stimulated cAMP production of  $\beta_2$ AR (A) and  $\beta_2$ AR (B) receptor expression.

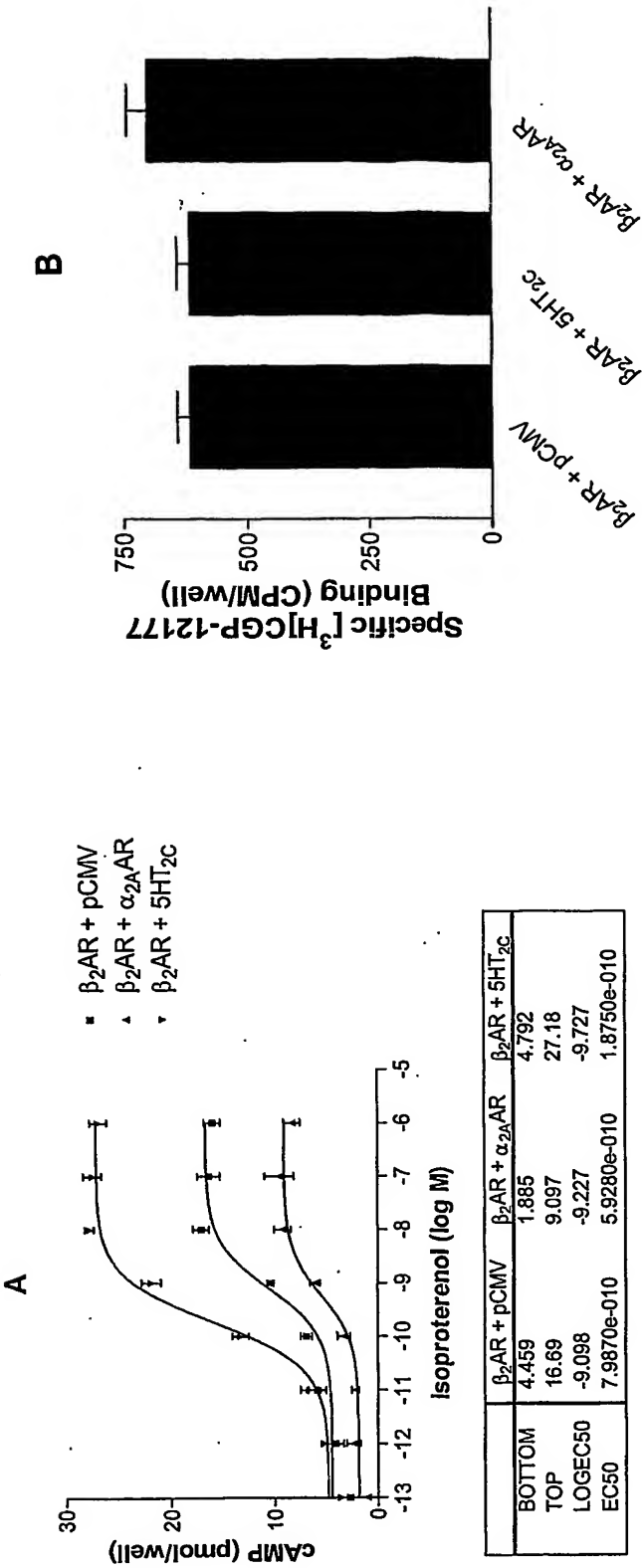
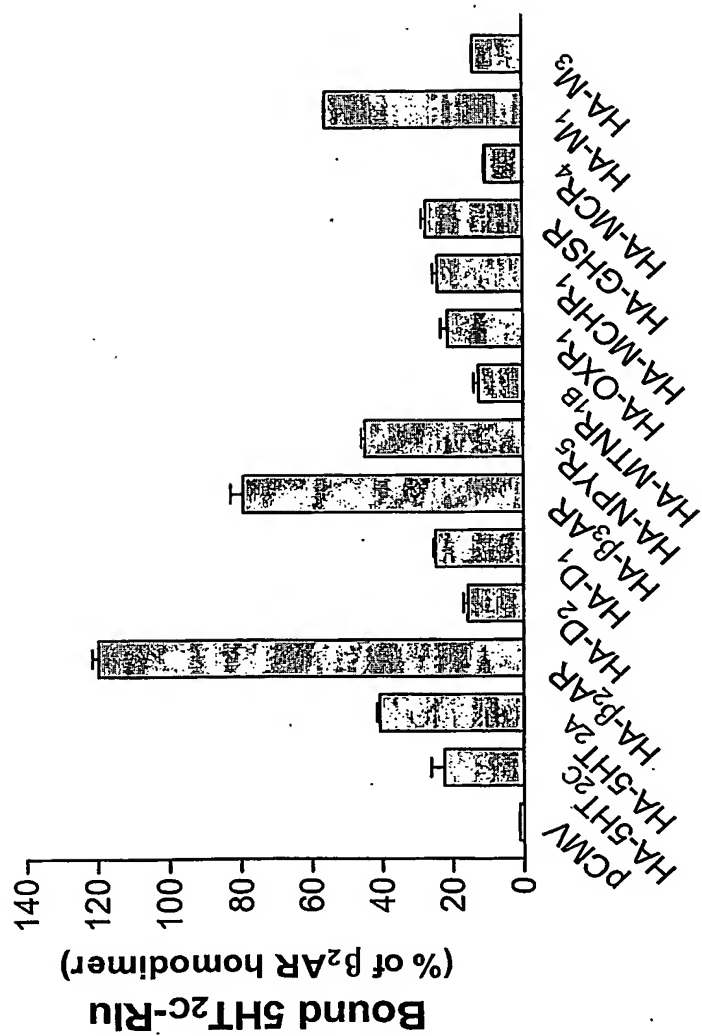


Figure 10. Heterodimerization of 5HT<sub>2c</sub> with other GPCRs



GPCR Co-transfected with 5HT<sub>2c</sub>-Rlu

Figure 11. Detection of Gαs interaction with β<sub>2</sub>AR-Rlu

